

=> fil cap

FILE 'CAPLUS' ENTERED AT 12:42:22 ON 16 FEB 2007

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FILE COVERS 1907 - 16 Feb 2007 VOL 146 ISS 9

FILE LAST UPDATED: 15 Feb 2007 (20070215/ED)

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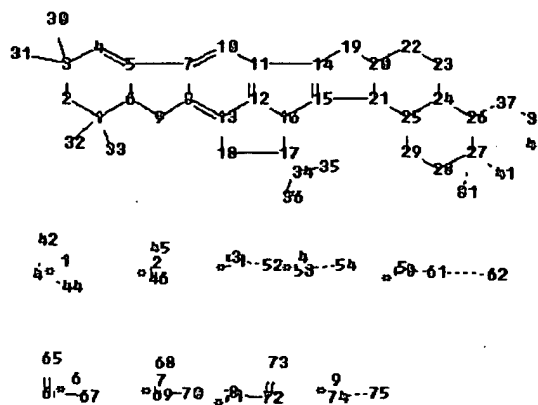
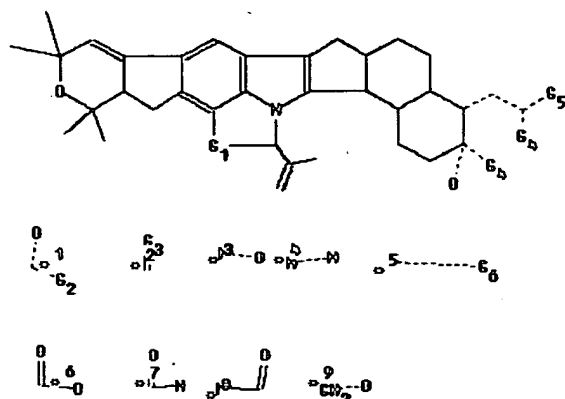
=> d que 14

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 51 52 53 54 60 61

62 65 66 67 68 69 73 74 75 81

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29

ring/chain nodes :

37 38 70 71 72

chain bonds :

1-32 1-33 3-30 3-31 17-34 27-81 34-35 34-36 38-39 42-43 43-44 45-46 51-52

53-54 60-61 61-62 65-66 66-67 68-69 69-70 72-73 74-75

ring/chain bonds :

26-37 27-41 37-38 38-40 71-72

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-14
12-13 12-16 13-18 14-15 14-19 15-16 15-21 16-17 17-18 19-20 20-21 20-22
21-25 22-23

23-24 24-25 24-26 25-29 26-27 27-28 28-29

exact/norm bonds :

1-2 1-6 1-32 1-33 2-3 3-4 3-30 3-31 4-5 5-6 5-7 6-9 8-9 11-14 12-16
13-18 14-15 14-19 15-16 15-21 16-17 17-18 17-34 19-20 20-21 20-22 21-25
22-23 23-2424-25 24-26 25-29 26-27 26-37 27-28 27-41 27-81 28-29 34-35 34-36 37-38
38-39 38-4042-43 43-44 45-46 51-52 53-54 60-61 61-62 65-66 66-67 68-69 69-70 71-72
72-73 74-75

normalized bonds :

7-8 7-10 8-13 10-11 11-12 12-13

G1:[*1],[*2]

G2:H,Cy,Ak

G3:[*3],[*4]

G4:H,O

G5:CHO,[*5]

G6:CN,[*6],[*7],[*8],[*9]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom

22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS

31:CLASS 32:CLASS

33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS

41:CLASS 42:CLASS

43:CLASS 44:CLASS 45:CLASS 46:CLASS 51:CLASS 52:CLASS 53:CLASS 54:CLASS

60:CLASS 61:CLASS

62:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS

72:CLASS 73:CLASS

74:CLASS 75:CLASS 81:CLASS

L3 13 SEA FILE=REGISTRY SSS FUL L1

L4 5 SEA FILE=CAPLUS ABB=ON PLU=ON L3

=> d 14 ibib abs hitstr tot

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:406882 CAPLUS Full-text

DOCUMENT NUMBER: 137:288491

TITLE: Comparison of nodulisporic acid analogs in a *Lucilia sericata* in vitro assay and a *Ctenocephalides felis* membrane feeding system

AUTHOR(S): Felcetto, T.; Ondeyka, J.; Colletti, S. L.; Meinke, P. T.; Shoop, W. L.

CORPORATE SOURCE: Merck Research Laboratories, Merck and Co., Inc., Rahway, NJ, 07065, USA

SOURCE: Journal of Parasitology (2002), 88(2), 223-226
CODEN: JOPAA2; ISSN: 0022-3395

PUBLISHER: American Society of Parasitologists

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A medicinal chemical program on the nodulisporic acid chemical class, guided by an artificial membrane flea-feeding assay, has recently identified permissive and nonpermissive regions of the pharmacophore for exploitation against fleas. This pathway was validated when several promising compds. from this program were administered orally to dogs at 15.0 mg/kg and found to have >90% flea activity for 2 wk. To determine if a surrogate insect assay would have provided the same guidance, a nodulisporic acid analog series was examined in both a *Lucilia sericata* larval assay and an artificial membrane flea-feeding assay using *Ctenocephalides felis*. Results from both insect assays were concordant in that even subtle chemical modification or substitution to the left-hand side of the nodulisporic acid pharmacophore resulted in substantial loss of insecticidal activity. Both assays were also in general agreement that the only modifications to the pharmacophore that did not result in loss of activity occurred to the C-8 side chain on the right-hand side of the mol. Although there was good agreement between the 2 assays on the general regions of the pharmacophore, there was variance on individual compds. in the mono- and disubstituted amide series from the C-8 side chain. For example, the *L. sericata* assay showed several analogs from this subclass to possess similar activity to the parent acid, whereas the membrane assay indicated superior activity against fleas relative to the same parent. Consequently, although there was substantial general agreement between the assays, it was concluded that finer optimization of a lead compound should be done against the target parasite, even if it is ex vivo, as early as possible in a medicinal chemical program.

IT 470460-65-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(comparison of nodulisporic acid analogs in a *Lucilia sericata* in vitro assay and a *Ctenocephalides felis* membrane feeding system)

RN 470460-65-2 CAPLUS

CN 2,4-Pentadienamide, N-(1,1-dimethylethyl)-5-[(3S,4S,4aR,6aS,12aS,13R,15S,16bS,16cS)-2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,12a,13-trihydroxy-14-(methoxyimino)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, (2E,4E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as described by E or Z.

The chemical structure is a complex polycyclic molecule. It features a central benzene ring fused to several other rings. On the left, there is a five-membered ring containing an oxygen atom and a methyl group. Adjacent to this is a ring with two hydroxyl groups and a methoxy group. The central benzene ring is substituted with a methoxy group and a vinyl group. To the right of the benzene ring is a five-membered ring with a methyl group and a hydroxyl group. Further right is a six-membered ring with a methyl group and a hydroxyl group. The molecule terminates in a long, unsaturated side chain with multiple double bonds and a terminal carbonyl group. Stereochemistry is indicated with wedges and dashes for several chiral centers.

 —NHBu-t

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:719716 CAPLUS Full-text
DOCUMENT NUMBER: 134:67446
TITLE: Chemical modification of nodulisporic acid A:
preliminary structure-activity relationships
AUTHOR(S): Meinke, P. T.; Ayer, M. B.; Colletti, S. L.; Li, C.;
Lim, J.; Ok, D.; Salva, S.; Schmatz, D. M.; Shih, T.
L.; Shoop, W. L.; Warmke, L. M.; Wyvratt, M. J.;
Zakson-Aiken, M.; Fisher, M. H.
CORPORATE SOURCE: Department of Medicinal Chemistry, Merck Research
Laboratories, Rahway, NJ, 07065-0900, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2000),
10(20), 2371-2374
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

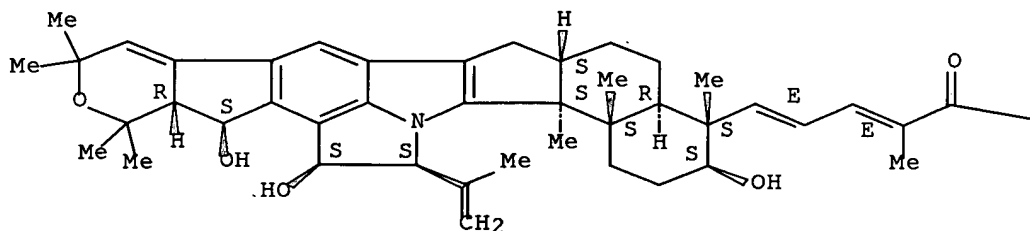
IT 315716-15-5

RN 315716-15-5 CAPLUS

CN 2,4-Pentadienamide, 5-[(3S,4S,4aR,6aS,12aR,13S,14S,15S,16bS,16cS)-2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-h]indol-4-yl]-N,2-dimethyl-, (2E,4E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

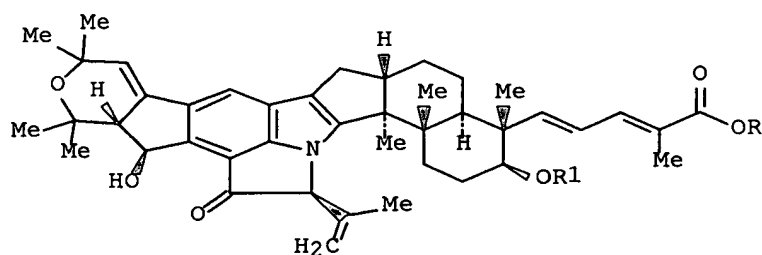


PAGE 1-B

—NHMe

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:606732 CAPLUS Full-text
 DOCUMENT NUMBER: 127:275095
 TITLE: Nodulisporic Acid A, a Novel and Potent Insecticide from a Nodulisporium Sp. Isolation, Structure Determination, and Chemical Transformations
 AUTHOR(S): Ondeyka, John G.; Helms, Gregory L.; Hensens, Otto D.; Goetz, Michael A.; Zink, Deborah L.; Tsipouras, Athanasios; Shoop, Wesley L.; Slayton, Lyndia; Dombrowski, Anne W.; Polishook, Jon D.; Ostlind, Dan A.; Tsou, Nancy N.; Ball, Richard G.; Singh, Sheo B.
 CORPORATE SOURCE: Merck Research Laboratories, Rahway, NJ, 07065, USA
 SOURCE: Journal of the American Chemical Society (1997), 119(38), 8809-8816
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



- I R=R1=H
 II R=Me, R1=H
 III R=Me, R1=p-bromobenzoyl

AB The potent insecticidal agent nodulisporic acid A (I), representative of a new class of indole terpenes, was isolated from fermns. of a Nodulisporium sp. Nodulisporic acid A was active against the larvae of the blowfly and mosquito at sub-part-per-million levels. The structure followed mainly from a consideration of spectroscopic evidence, including Dunkel's computerized 2D INADEQUATE anal. The relative stereochem. of the eastern and western hemispheres of I and its Me ester (II) were independently determined on the basis of ROESY, NOESY, NOEDS, and Jvic evidence. By employing the same methods, the complete relative stereochem. was determined by anal. of suitable transformation products, using the reduced β -ketodihydropyrrole ring as a stereochem. bridge between the two zones. These results were confirmed by X-ray anal. of the 7-p-bromobenzoate Me ester derivative (III). The absolute stereochem. was established by application of the advanced Mosher method to II. Of biogenetic interest is the presence of a unique isoprenylated indole moiety not previously found in other indole mycotoxins.

IT 196504-54-8P 196504-56-0P 196504-59-3P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and properties of; isolation, structure determination, and chemical

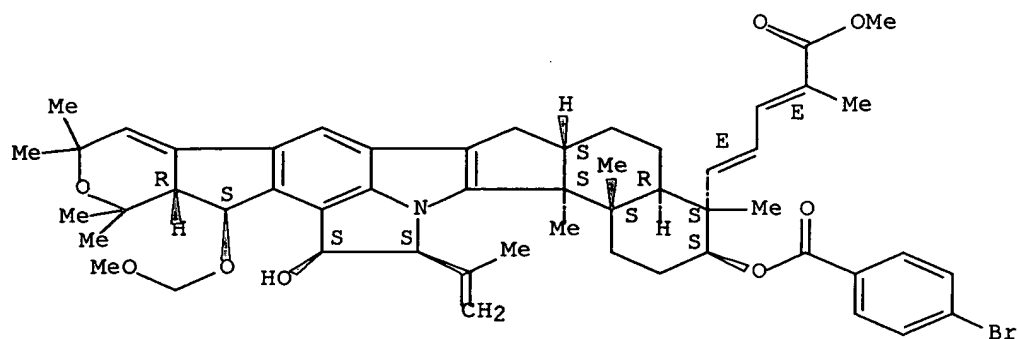
transformations of nodulisporic acid A, an insecticide from a Nodulisporium Sp.)

RN 196504-54-8 CAPLUS

CN Benzoic acid, 4-bromo-, 2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-14-hydroxy-13-(methoxymethoxy)-4-(5-methoxy-4-methyl-5-oxo-1,3-pentadienyl)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-14-oxo-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-3-yl ester, [3S-[3 α ,4 β (1E,3E),4a β ,6a α ,12a α ,13 α ,14 α ,15 α ,16b β ,16c α]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

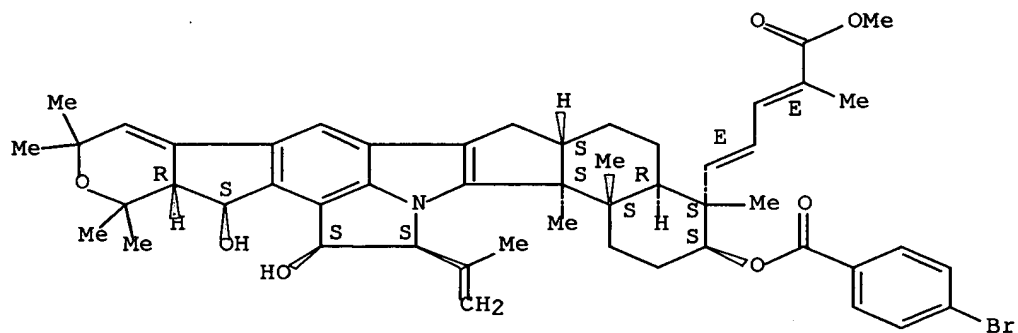


RN 196504-56-0 CAPLUS

CN Benzoic acid, 4-bromo-, 2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-13,14-dihydroxy-4-(5-methoxy-4-methyl-5-oxo-1,3-pentadienyl)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-14-oxo-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-3-yl ester, [3S-[3 α ,4 β (1E,3E),4a β ,6a α ,12a.a 1pha.,13 α ,14 α ,15 α ,16b β ,16c α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

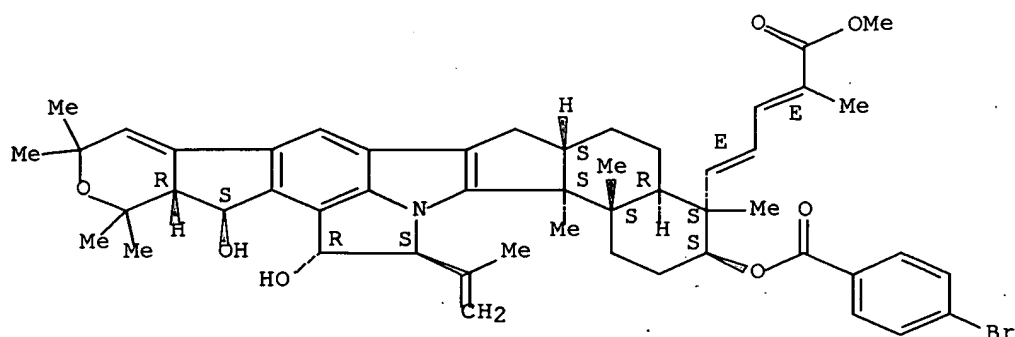


RN 196504-59-3 CAPLUS

CN Benzoic acid, 4-bromo-, 2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-13,14-dihydroxy-4-(5-methoxy-4-methyl-5-oxo-1,3-pentadienyl)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-14-oxo-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-3-yl ester, [3S-[3 α ,4 β (1E,3E),4a β ,6a α ,12a.a 1pha.,13 α ,14 β ,15 α ,16b β ,16c α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:689452 CAPLUS Full-text

DOCUMENT NUMBER: 125:328391

TITLE: Nodulisporic acid derivatives

INVENTOR(S): Meinke, Peter T.; Shih, Thomas; Fisher, Michael H.

PATENT ASSIGNEE(S): Merck and Co., Inc., USA

SOURCE: PCT Int. Appl., 121 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9629073	A1	19960926	WO 1996-US3611	19960315
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2215982	A1	19960926	CA 1996-2215982	19960315
CA 2215982	C	20010612		
AU 9653134	A	19961008	AU 1996-53134	19960315
AU 691424	B2	19980514		
EP 819000	A1	19980121	EP 1996-909730	19960315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
JP 10504041	T	19980414	JP 1996-528529	19960315
JP 3020279	B2	20000315		
CN 1184423	A	19980610	CN 1996-193987	19960315
CN 1082814	B	20020417		
BR 9607965	A	19980714	BR 1996-7965	19960315
HU 9801749	A2	19981130	HU 1998-1749	19960315
PL 185563	B1	20030630	PL 1996-322326	19960315
CZ 294699	B6	20050216	CZ 1997-2935	19960315
SK 284840	B6	20051201	SK 1997-1259	19960315
ZA 9602203	A	19960904	ZA 1996-2203	19960319
TW 534908	B	20030601	TW 1996-85111484	19960919
NO 9704321	A	19971119	NO 1997-4321	19970919

PRIORITY APPLN. INFO.:

US 1995-406619

A2 19950320

US 1996-606312

A2 19960311

WO 1996-US3611

W 19960315

OTHER SOURCE(S): MARPAT 125:328391

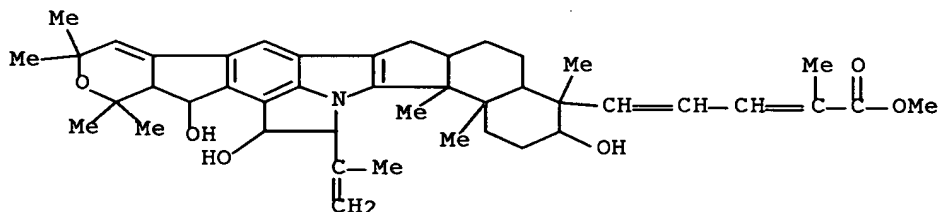
AB Esters and amides of nodulisporic acid, 29,30-dihydro-20,30-oxanodulisporic acid and 31-hydroxy-20,30-oxa-29,30,31,32-tetrahydronudulic acid (>300 compds.), which are acaricidal, antiparasitic, insecticidal and anthelmintic agents (no data), were prepared. Thus, nodulisporic acid was esterified with Me₃SiCHN₂ to give the Me ester.

IT **183161-19-5P**, Methyl 1-hydroxynodulisporate **183161-20-8P**
183161-26-4P, 1-Hydroxynodulisporic acid **183161-28-6P**
183161-29-7P **183287-41-4P** **183287-44-7P**
183287-45-8P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of nodulisporic acid esters and amides as parasiticides)

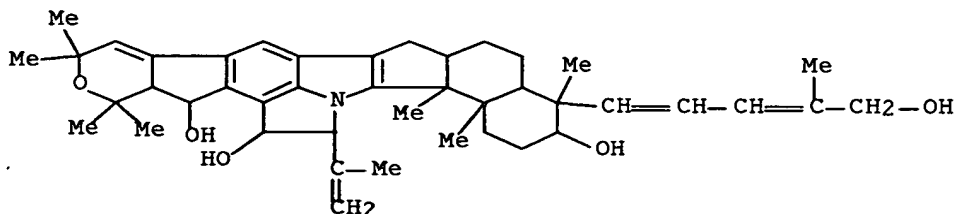
RN 183161-19-5 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, methyl ester,
 [3S-[3 α ,4 β (2E,4E),4a β ,6a α ,12a α ,13 α ,14.be
 ta.,15 α ,16b β ,16c α]]- (9CI) (CA INDEX NAME)



RN 183161-20-8 CAPLUS

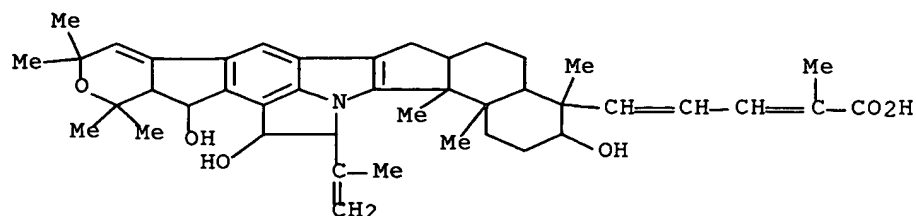
CN 1H-Benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indole-3,13,14-triol, 2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-4-(5-hydroxy-4-methyl-1,3-pentadienyl)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)- (9CI) (CA INDEX NAME)



RN 183161-26-4 CAPLUS

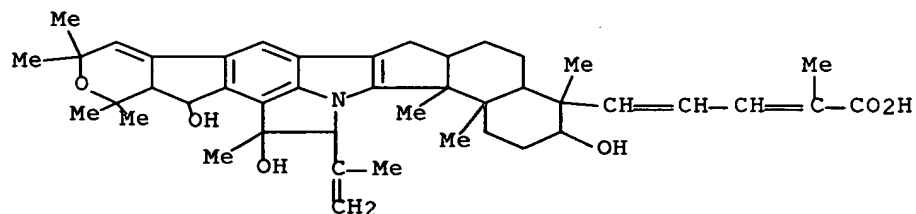
CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, [3S-

[3 α , 4 β (2E, 4E), 4 $\alpha\beta$, 6 $\alpha\alpha$, 12 $\alpha\alpha$, 13 α , 14 β ,
15 α , 16 β , 16 $\alpha\alpha$]]- (9CI) (CA INDEX NAME)



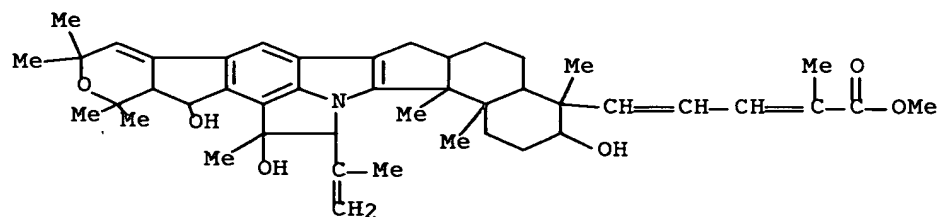
RN 183161-28-6 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4 α ,5,6,6 α ,7,10,12,12 α ,13,14,15,16 β ,16 α -hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,14,16 β ,16 α -octamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl- (9CI) (CA INDEX NAME)



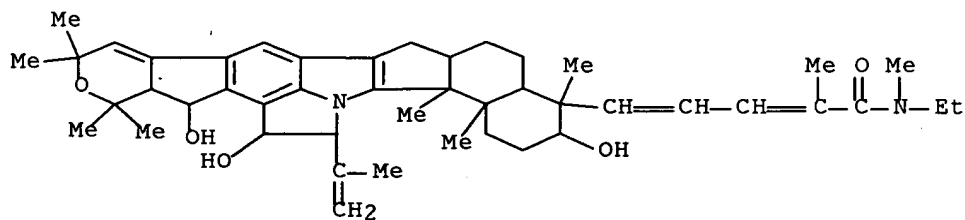
RN 183161-29-7 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4 α ,5,6,6 α ,7,10,12,12 α ,13,14,15,16 β ,16 α -hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,14,16 β ,16 α -octamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



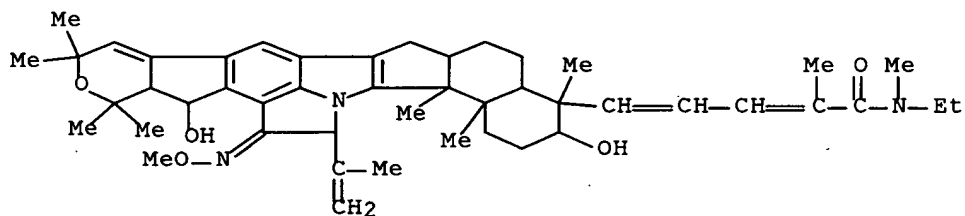
RN 183287-41-4 CAPLUS

CN 2,4-Pentadienamide, N-ethyl-5-[2,3,4,4 α ,5,6,6 α ,7,10,12,12 α ,13,14,15,16 β ,16 α -c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16 β ,16 α -heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-N,2-dimethyl- (9CI) (CA INDEX NAME)



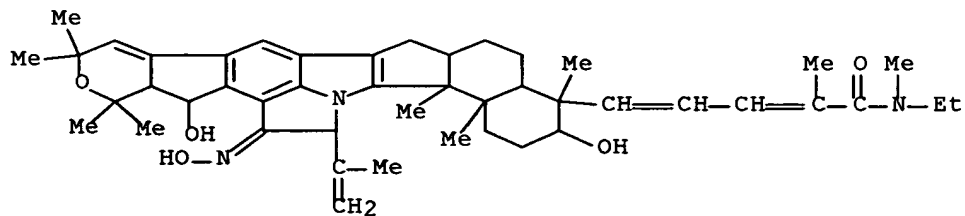
RN 183287-44-7 CAPLUS

CN 2,4-Pentadienamide, N-ethyl-5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13-dihydroxy-14-(methoxyimino)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-N,2-dimethyl- (9CI) (CA INDEX NAME)



RN 183287-45-8 CAPLUS

CN 2,4-Pentadienamide, N-ethyl-5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13-dihydroxy-14-(hydroxyimino)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-N,2-dimethyl- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:679305 CAPLUS Full-text

DOCUMENT NUMBER: 125:328392

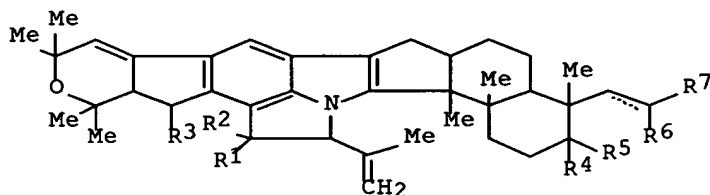
TITLE: Anthelmintic use of nodulisporic acid and analogs thereof

INVENTOR(S): Shoop, Wesley; Ostlind, Dan A.; Michael, Bruce F.

PATENT ASSIGNEE(S): Merck and Co., Inc., USA

SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9629072	A1	19960926	WO 1996-US3598	19960315
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5595991	A	19970121	US 1995-406447	19950320
AU 9652542	A	19961008	AU 1996-52542	19960315
ZA 9602202	A	19960926	ZA 1996-2202	19960319
PRIORITY APPLN. INFO.:			US 1995-406447	A1 19950320
			WO 1996-US3598	W 19960315
OTHER SOURCE(S):		MARPAT 125:328392		
GI				



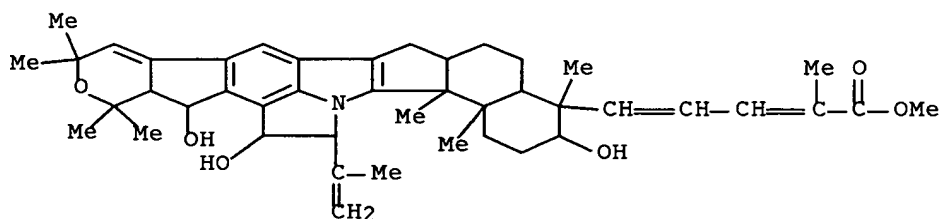
I

AB The present invention provides a method for the treatment of helminthiasis which comprises administering to an infected host an effective amount of a nodulisporic acid analog I [R1 = H, (un)substituted aliphatic, cycloaliph., heterocyclic, aryl; R2, R3, R4 = (un)substituted OH; R1R2 = O, (un)substituted NO NOH, NNH2; R5R6 = H2, O; R7 = CHO, (un)substituted aliphatic]. Some derivs. of I [R1R2 = O, R3, R4 = OH, R5, R6 = H, R5R6 = O, R7 = CH:CMcCO2H, CH(OH)CHMcCO2H; the dotted bond is single or double] were prepared

IT **183161-19-5P 183161-20-8P 183161-26-4P**,
 1-Hydroxynodulisporic acid **183161-28-6P**, 1-Hydroxy-1-methylnodulisporic acid **183161-29-7P**
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and anthelmintic use of nodulisporic acid analogs)

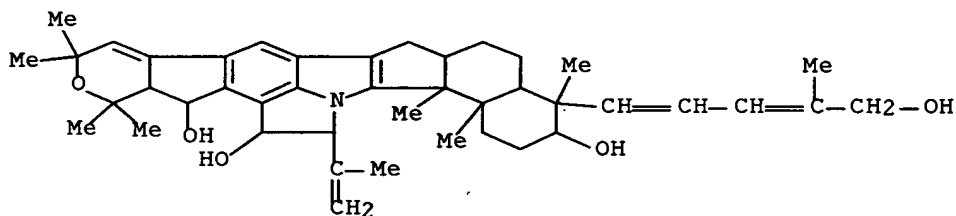
RN 183161-19-5 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, methyl ester, [3S-[3α,4β(2E,4E),4aβ,6aα,12aα,13α,14.be ta.,15α,16bβ,16cα]]- (9CI) (CA INDEX NAME)



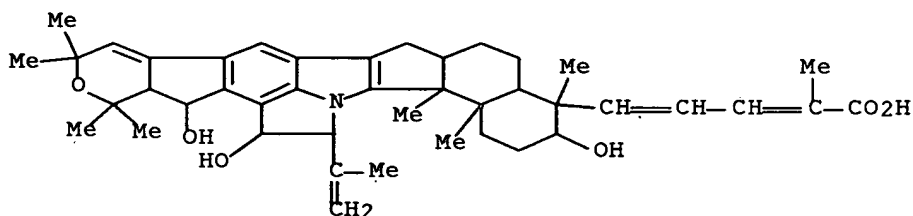
RN 183161-20-8 CAPLUS

CN 1H-Benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indole-3,13,14-triol, 2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-4-(5-hydroxy-4-methyl-1,3-pentadienyl)-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)- (9CI) (CA INDEX NAME)



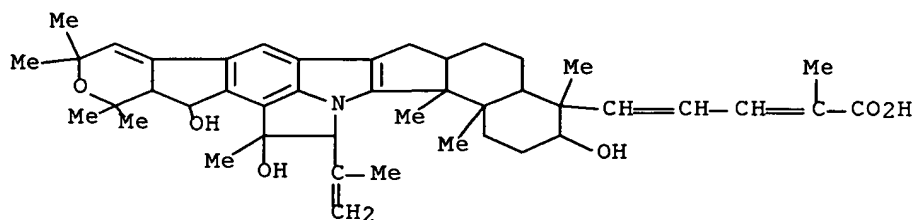
RN 183161-26-4 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,16b,16c-heptamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, [3S-[3α,4β(2E,4E),4aβ,6aα,12aα,13α,14β,15α,16bβ,16cα]]- (9CI) (CA INDEX NAME)



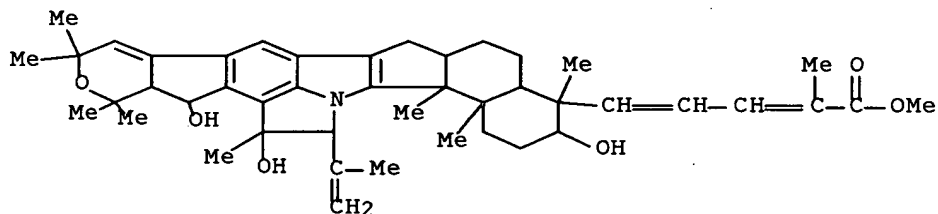
RN 183161-28-6 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,14,16b,16c-octamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl- (9CI) (CA INDEX NAME)



RN 183161-29-7 CAPLUS

CN 2,4-Pentadienoic acid, 5-[2,3,4,4a,5,6,6a,7,10,12,12a,13,14,15,16b,16c-hexadecahydro-3,13,14-trihydroxy-4,10,10,12,12,14,16b,16c-octamethyl-15-(1-methylethenyl)-1H-benz[6,7]indeno[1,2-b]pyrano[3',4':4,5]cyclopenta[1,2-f]pyrrolo[3,2,1-hi]indol-4-yl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



=> fil beilst

FILE 'BEILSTEIN' ENTERED AT 12:43:32 ON 16 FEB 2007

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FILE LAST UPDATED ON JANUARY 10, 2007

FILE COVERS 1771 TO 2006.

*** FILE CONTAINS 9,780,003 SUBSTANCES ***

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *

* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
 * ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
 * FOR PRICE INFORMATION SEE HELP COST *

NEW

* **PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.**
 * **NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.**

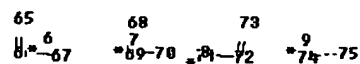
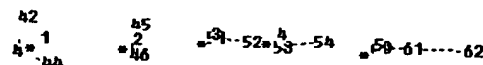
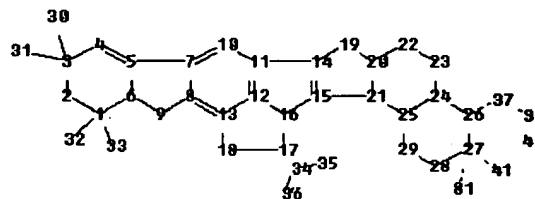
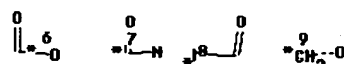
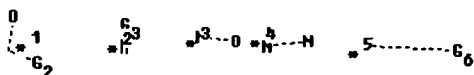
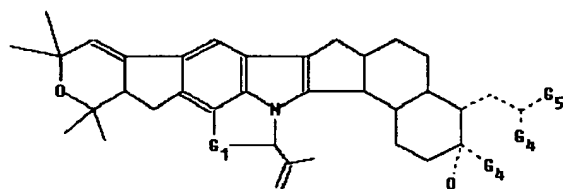
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L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 51 52 53 54 60 61
 62 65 66 67 68 69 73 74 75 81

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
 24 25 26 27 28 29

ring/chain nodes :

37 38 70 71 72

chain bonds :

1-32 1-33 3-30 3-31 17-34 27-81 34-35 34-36 38-39 42-43 43-44 45-46 51-52

53-54 60-61 61-62 65-66 66-67 68-69 69-70 72-73 74-75

ring/chain bonds :

26-37 27-41 37-38 38-40 71-72

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-14

12-13 12-16 13-18 14-15 14-19 15-16 15-21 16-17 17-18 19-20 20-21 20-22
 21-25 22-23
 23-24 24-25 24-26 25-29 26-27 27-28 28-29
 exact/norm bonds :
 1-2 1-6 1-32 1-33 2-3 3-4 3-30 3-31 4-5 5-6 5-7 6-9 8-9 11-14 12-16
 13-18 14-15 14-19 15-16 15-21 16-17 17-18 17-34 19-20 20-21 20-22 21-25
 22-23 23-24
 24-25 24-26 25-29 26-27 26-37 27-28 27-41 27-81 28-29 34-35 34-36 37-38
 38-39 38-40
 42-43 43-44 45-46 51-52 53-54 60-61 61-62 65-66 66-67 68-69 69-70 71-72
 72-73 74-75
 normalized bonds :
 7-8 7-10 8-13 10-11 11-12 12-13

G1:[*1],[*2]

G2:H,Cy,Ak

G3:[*3],[*4]

G4:H,O

G5:CHO,[*5]

G6:CN,[*6],[*7],[*8],[*9]

Match level :

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 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
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 62:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS
 72:CLASS 73:CLASS
 74:CLASS 75:CLASS 81:CLASS

L6 5 SEA FILE=BEILSTEIN SSS FUL L1
 L7 5 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6 NOT RN/FA

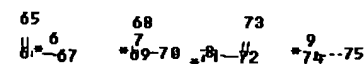
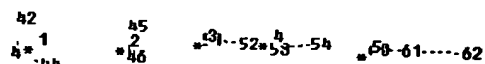
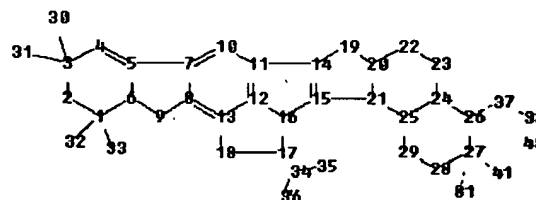
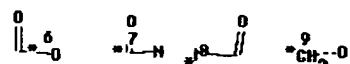
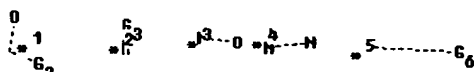
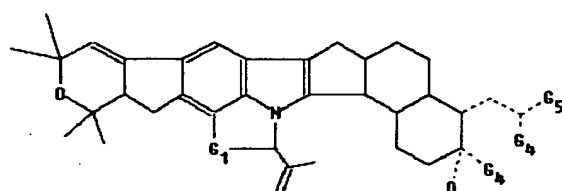
=> d que 19

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 51 52 53 54 60 61
62 65 66 67 68 69 73 74 75 81

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29

ring/chain nodes :

37 38 70 71 72

chain bonds :

1-32 1-33 3-30 3-31 17-34 27-81 34-35 34-36 38-39 42-43 43-44 45-46 51-52
53-54 60-61 61-62 65-66 66-67 68-69 69-70 72-73 74-75

ring/chain bonds :

26-37 27-41 37-38 38-40 71-72

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-14
12-13 12-16 13-18 14-15 14-19 15-16 15-21 16-17 17-18 19-20 20-21 20-22
21-25 22-23
23-24 24-25 24-26 25-29 26-27 27-28 28-29

exact/norm bonds :

1-2 1-6 1-32 1-33 2-3 3-4 3-30 3-31 4-5 5-6 5-7 6-9 8-9 11-14 12-16
13-18 14-15 14-19 15-16 15-21 16-17 17-18 17-34 19-20 20-21 20-22 21-25
22-23 23-24
24-25 24-26 25-29 26-27 26-37 27-28 27-41 27-81 28-29 34-35 34-36 37-38
38-39 38-40
42-43 43-44 45-46 51-52 53-54 60-61 61-62 65-66 66-67 68-69 69-70 71-72
72-73 74-75

normalized bonds :

7-8 7-10 8-13 10-11 11-12 12-13

G1:[*1],[*2]

G2:H,Cy,Ak

G3:[*3],[*4]

G4:H,O

G5:CHO,[*5]

G6:CN,[*6],[*7],[*8],[*9]

Match level :

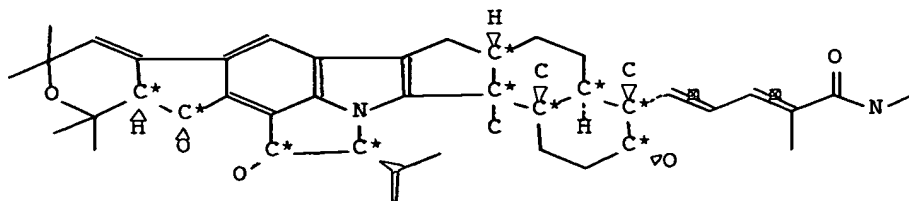
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 62:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS
 72:CLASS 73:CLASS
 74:CLASS 75:CLASS 81:CLASS

L6 5 SEA FILE=BEILSTEIN SSS FUL L1
 L7 5 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6 NOT RN/FA
 L8 4 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6 AND BABSAN/FA
 L9 1 SEA FILE=BEILSTEIN ABB=ON PLU=ON L7 NOT L8

=> d l9 ide allref

L9 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2007 BEILSTEIN MDL on STN

Beilstein Records (BRN): 8751109
 Molec. Formula (MF): C44 H58 N2 O5
 Molecular Weight (MW): 694.95
 Lawson Number (LN): 31479, 2817
 File Segment (FS): Stereo compound
 Compound Type (CTYPE): heterocyclic
 Constitution ID (CONSID): 7408918
 Tautomer ID (TAUTID): 8230199
 Entry Date (DED): 2001/04/26
 Update Date (DUPD): 2001/04/26



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
DED	Entry Date	1
DUPD	Update Date	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:

ALLREF

1. Meinke, Peter T.; Ayer, Michelle B.; Colletti, Steven L.; Li, Chunshi; Lim, Julie; Ok, Dong; Salva, Steve; Schmatz, Dennis M.; Shih, Thomas L.; Shoop, Wesley L.; Warmke, Lynn M.; et al., Bioorg.Med.Chem.Lett., CODEN: BMCLE8, 10(20), <2000>, 2371 - 2374; BABS-6266733

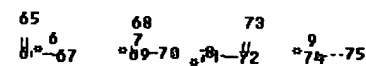
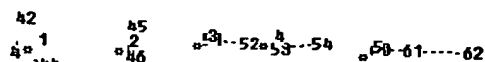
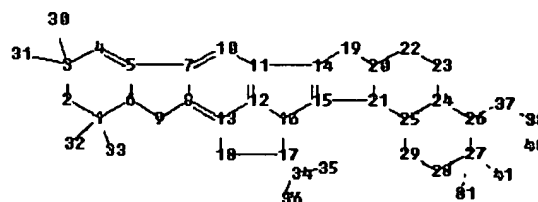
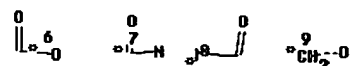
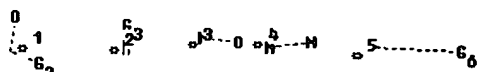
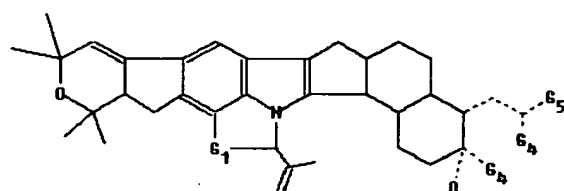
=> d que l11

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 51 52 53 54 60 61
62 65 66 67 68 69 73 74 75 81

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29

ring/chain nodes :

37 38 70 71 72

chain bonds :

1-32 1-33 3-30 3-31 17-34 27-81 34-35 34-36 38-39 42-43 43-44 45-46 51-52

53-54 60-61 61-62 65-66 66-67 68-69 69-70 72-73 74-75

ring/chain bonds :

26-37 27-41 37-38 38-40 71-72

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-14
12-13 12-16 13-18 14-15 14-19 15-16 15-21 16-17 17-18 19-20 20-21 20-22
21-25 22-23

23-24 24-25 24-26 25-29 26-27 27-28 28-29

exact/norm bonds :

1-2 1-6 1-32 1-33 2-3 3-4 3-30 3-31 4-5 5-6 5-7 6-9 8-9 11-14 12-16
13-18 14-15 14-19 15-16 15-21 16-17 17-18 17-34 19-20 20-21 20-22 21-25
22-23 23-24
24-25 24-26 25-29 26-27 26-37 27-28 27-41 27-81 28-29 34-35 34-36 37-38
38-39 38-40
42-43 43-44 45-46 51-52 53-54 60-61 61-62 65-66 66-67 68-69 69-70 71-72
72-73 74-75

normalized bonds :

7-8 7-10 8-13 10-11 11-12 12-13

G1:[*1],[*2]

G2:H,Cy,Ak

G3:[*3],[*4]

G4:H,O

G5:CHO,[*5]

G6:CN,[*6],[*7],[*8],[*9]

Match level :

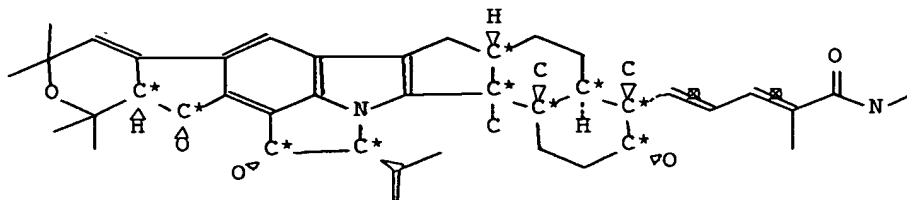
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 60:CLASS 61:CLASS
 62:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS
 72:CLASS 73:CLASS
 74:CLASS 75:CLASS 81:CLASS

L6 5 SEA FILE=BEILSTEIN SSS FUL L1
 L8 4 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6 AND BABSAN/FA
 L11 1 SEA FILE=BEILSTEIN ABB=ON PLU=ON L8 AND 6266733/BABSAN

=> d l11 ide allref

L11 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2007 BEILSTEIN MDL on STN

Beilstein Records (BRN): 8751110
 Molec. Formula (MF): C44 H58 N2 O5
 Molecular Weight (MW): 694.95
 Lawson Number (LN): 31479, 2817
 File Segment (FS): Stereo compound
 Compound Type (CTYPE): heterocyclic
 Constitution ID (CONSID): 7408918
 Tautomer ID (TAUTID): 8230200
 Entry Date (DED): 2001/04/26
 Update Date (DUPD): 2001/04/26



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
DED	Entry Date	1
DUPD	Update Date	1
PHARM	Pharmacological Data	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:

ALLREF

1. Meinke, Peter T.; Ayer, Michelle B.; Colletti, Steven L.; Li, Chunshi; Lim, Julie; Ok, Dong; Salva, Steve; Schmatz, Dennis M.; Shih, Thomas L.; Shoop, Wesley L.; Warmke, Lynn M.; et al., Bioorg.Med.Chem.Lett., CODEN: BMCLE8, 10(20), <2000>, 2371 - 2374; BABS-6266733

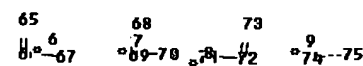
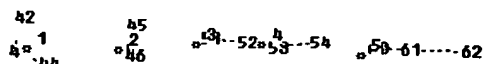
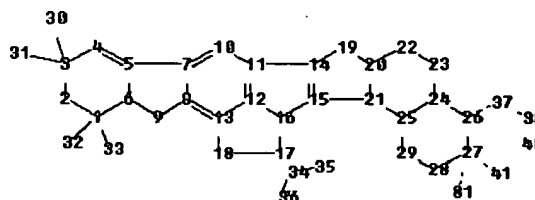
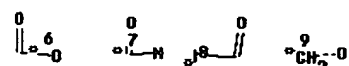
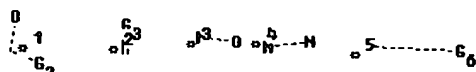
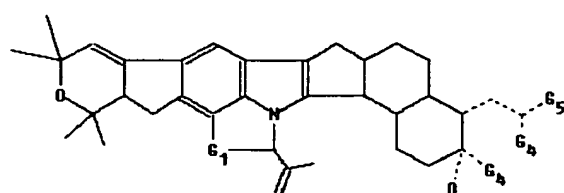
=> d que 112

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

30 31 32 33 34 35 36 39 40 41 42 43 44 45 46 51 52 53 54 60 61
62 65 66 67 68 69 73 74 75 81

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29

ring/chain nodes :

37 38 70 71 72

chain bonds :

1-32 1-33 3-30 3-31 17-34 27-81 34-35 34-36 38-39 42-43 43-44 45-46 51-52
53-54 60-61 61-62 65-66 66-67 68-69 69-70 72-73 74-75

ring/chain bonds :

26-37 27-41 37-38 38-40 71-72

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-14
12-13 12-16 13-18 14-15 14-19 15-16 15-21 16-17 17-18 19-20 20-21 20-22
21-25 22-23
23-24 24-25 24-26 25-29 26-27 27-28 28-29

exact/norm bonds :

1-2 1-6 1-32 1-33 2-3 3-4 3-30 3-31 4-5 5-6 5-7 6-9 8-9 11-14 12-16
13-18 14-15 14-19 15-16 15-21 16-17 17-18 17-34 19-20 20-21 20-22 21-25
22-23 23-24
24-25 24-26 25-29 26-27 26-37 27-28 27-41 27-81 28-29 34-35 34-36 37-38
38-39 38-40
42-43 43-44 45-46 51-52 53-54 60-61 61-62 65-66 66-67 68-69 69-70 71-72
72-73 74-75

normalized bonds :

7-8 7-10 8-13 10-11 11-12 12-13

G1:[*1],[*2]

G2:H,Cy,Ak

G3:[*3],[*4]

G4:H,O

G5:CHO,[*5]

G6:CN,[*6],[*7],[*8],[*9]

Match level :

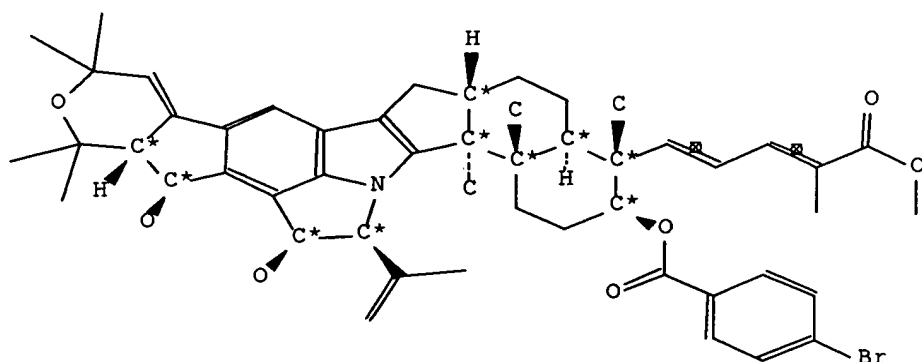
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom
 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS
 31:CLASS 32:CLASS
 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS
 41:CLASS 42:CLASS
 43:CLASS 44:CLASS 45:CLASS 46:CLASS 51:CLASS 52:CLASS 53:CLASS 54:CLASS
 60:CLASS 61:CLASS
 62:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS 71:CLASS
 72:CLASS 73:CLASS
 74:CLASS 75:CLASS 81:CLASS

L6 5 SEA FILE=BEILSTEIN SSS FUL L1
 L8 4 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6 AND BABSAN/FA
 L12 3 SEA FILE=BEILSTEIN ABB=ON PLU=ON L8 AND 6080270/BABSAN

=> d l12 ide allref 1

L12 ANSWER 1 OF 3 BEILSTEIN COPYRIGHT 2007 BEILSTEIN MDL on STN

Beilstein Records (BRN):	7903768
Chemical Name (CN):	7-(p-bromobenzoyl)-1' β -hydroxynodulisporic acid A
Molec. Formula (MF):	C51 H60 Br N O7
Molecular Weight (MW):	878.94
Lawson Number (LN):	31479, 10582, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	6743985
Tautomer ID (TAUTID):	7479665
Beilstein Citation (BSO):	6-27
Entry Date (DED):	1998/07/15
Update Date (DUPD):	1998/07/15



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
CN	Chemical Name	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1
IR	Infrared Spectrum	1
NMR	Nuclear Magnetic Resonance	3

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:

ALLREF

1. Ondeyka, John G.; Helms, Gregory L.; Hensens, Otto D.; Goetz, Michael A.; Zink, Deborah L.; et al., J.Amer.Chem.Soc., CODEN: JACSAT, 119(38), <1997>, 8809-8816; BABS-6080270

HISTORY

=> d his nofil

(FILE 'HOME' ENTERED AT 11:16:18 ON 16 FEB 2007)

FILE 'REGISTRY' ENTERED AT 11:20:57 ON 16 FEB 2007

L*** DEL STR
L1 STRUCTURE UPLOADED
D
L2 1 SEA SSS SAM L1
D SCA
L3 13 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 11:49:25 ON 16 FEB 2007

L4 5 SEA ABB=ON PLU=ON L3

FILE 'MARPAT' ENTERED AT 11:49:35 ON 16 FEB 2007

FILE 'BEILSTEIN' ENTERED AT 11:49:54 ON 16 FEB 2007

L5 0 SEA SSS SAM L1
L6 5 SEA SSS FUL L1
L7 5 SEA ABB=ON PLU=ON L6 NOT RN/FA
L8 4 SEA ABB=ON PLU=ON L6 AND BABSAN/FA
L9 1 SEA ABB=ON PLU=ON L7 NOT L8
SEL BABSAN L8

FILE 'BABS' ENTERED AT 11:51:13 ON 16 FEB 2007

L10 2 SEA ABB=ON PLU=ON (6080270/AN OR 6266733/AN)
D 1-2
D COST

FILE 'BEILSTEIN' ENTERED AT 11:53:26 ON 16 FEB 2007

L11 1 SEA ABB=ON PLU=ON L8 AND 6266733/BABSAN
L12 3 SEA ABB=ON PLU=ON L8 AND 6080270/BABSAN
L13 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 12:39:40 ON 16 FEB 2007

L14 1 SEA SSS SAM L13
D SCA

FILE 'MARPAT' ENTERED AT 12:39:51 ON 16 FEB 2007

L15 STRUCTURE UPLOADED

FILE 'HCAPLUS' ENTERED AT 12:42:02 ON 16 FEB 2007

D QUE L4

FILE 'CAPLUS' ENTERED AT 12:42:22 ON 16 FEB 2007

D QUE L4
D L4 IBIB ABS HITSTR TOT

FILE 'BEILSTEIN' ENTERED AT 12:43:32 ON 16 FEB 2007

D QUE L7
D QUE L9
D L9 IDE ALLREF
D QUE L11
D L11 IDE ALLREF
D QUE L12
D L12 IDE ALLREF 1